

Title (en)

Method for pre-treating a catalyst composition with water or alcohol vapour in nitrogen gas at temperatures below their boiling point

Title (de)

Verfahren zur Vorbehandlung einer Katalysatorzusammensetzung

Title (fr)

Procédé de prétraitement d'une composition de catalyseur

Publication

**EP 2698198 A1 20140219 (EN)**

Application

**EP 12005876 A 20120814**

Priority

EP 12005876 A 20120814

Abstract (en)

The present invention relates to a method for pre-treating a catalyst composition comprising contacting a medium pore aluminosilicate zeolite with an inert gas comprising water vapour or alcohol vapour at a temperature between 30 °C and the boiling temperature of water or the alcohol.

IPC 8 full level

**B01J 29/40** (2006.01); **B01J 29/42** (2006.01); **B01J 29/48** (2006.01); **B01J 37/06** (2006.01); **C07C 2/24** (2006.01)

CPC (source: EP US)

**B01J 29/061** (2013.01 - US); **B01J 29/076** (2013.01 - US); **B01J 29/084** (2013.01 - US); **B01J 29/18** (2013.01 - US);  
**B01J 29/40** (2013.01 - EP US); **B01J 29/42** (2013.01 - EP US); **B01J 29/48** (2013.01 - EP US); **B01J 29/7007** (2013.01 - US);  
**B01J 29/85** (2013.01 - US); **B01J 37/06** (2013.01 - EP US); **B01J 37/08** (2013.01 - US); **B01J 37/10** (2013.01 - US);  
**C07C 2/12** (2013.01 - EP US); **C10G 50/00** (2013.01 - EP US); **B01J 2229/10** (2013.01 - US); **B01J 2229/14** (2013.01 - EP US);  
**B01J 2229/30** (2013.01 - EP US); **B01J 2229/36** (2013.01 - US); **B01J 2229/40** (2013.01 - US); **C07C 2529/06** (2013.01 - US);  
**C07C 2529/076** (2013.01 - US); **C07C 2529/08** (2013.01 - EP US); **C07C 2529/18** (2013.01 - EP US); **C07C 2529/40** (2013.01 - EP US);  
**C07C 2529/48** (2013.01 - US); **C07C 2529/70** (2013.01 - EP US); **C07C 2529/78** (2013.01 - US); **C07C 2529/85** (2013.01 - EP US);  
**C10G 2300/1081** (2013.01 - EP US); **C10G 2300/1088** (2013.01 - EP US); **C10G 2300/70** (2013.01 - EP US); **C10G 2400/22** (2013.01 - EP US)

Citation (applicant)

- EP 1167326 A1 20020102 - SAUDI BASIC IND CORP [SA]
- WO 2004080935 A1 20040923 - FORTUM OYJ [FI], et al
- WO 2009027582 A1 20090305 - NESTE OIL OYJ [FI], et al
- WO 2004080935 A1 20040923 - FORTUM OYJ [FI], et al
- US 3325465 A 19670613 - JONES DANIEL G, et al
- US 7186872 B2 20070306 - JUTTU GOPALAKRISHNAN G [US], et al
- US 4822939 A 19890418 - CHU CYNTHIA T W [US]
- US 4180689 A 19791225 - DAVIES EVAN E [GB], et al
- CATALYSIS TODAY, vol. 100, 2005, pages 463
- "Kirk-Othmer Encyclopedia of Chemical Technology", vol. 16, article "Molecular Sieves", pages: 811 - 853
- "Atlas of Zeolite Framework Types", 2001, ELSEVIER
- "Post-synthesis Modification I; Molecular Sieves", vol. 3, 2002, pages: 204 - 255

Citation (search report)

- [X] US 4044065 A 19770823 - BUTTER STEPHEN A, et al
- [X] WO 0198252 A2 20011227 - FLEXSYS AMERICA LP [US], et al

Cited by

US11572323B2; WO2020157216A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2698198 A1 20140219**; CN 104736244 A 20150624; EP 2885077 A1 20150624; US 2015231614 A1 20150820;  
WO 2014027311 A1 20140220

DOCDB simple family (application)

**EP 12005876 A 20120814**; CN 201380053515 A 20130813; EP 13779369 A 20130813; IB 2013056622 W 20130813;  
US 201314421363 A 20130813